Meeting Agenda
Bois de Sioux and Mustinka Watersheds
1W1P Steering Committee Meeting
05/14/2020 at 9:00 am
by conference call and screenshare

Member Organizations	Committee Representative	Designated Alternate
Big Stone County	Danny Tuckett **[Absent]**	Darren Wilke **[Absent]**
Big Stone SWCD	Joseph Otto	
Grant County	Greg Lillemon	
Grant SWCD	Jared House	
West Otter Tail SWCD	Brad Mergens	Ben Underhill
Otter Tail County	Kyle Westergard	
Stevens County	Bill Kleindl **[Absent]**	
Stevens SWCD	Matt Solemsaas	
Traverse County	Lynn Siegel **[Absent]**	Bruce Johnson **[Absent]**
Traverse SWCD	Sara Gronfeld	Bruce Johnson **[Absent]**
Wilkin County	Breanna Koval **[Absent]**	
Wilkin SWCD	Craig Lingen	Don Bajumpaa **[Absent]**
Bois de Sioux Watershed	Jamie Beyer	Linda Vavra

CC:

BWSR	Pete Waller
BWSR	Henry Van Offelen
HEI	Jeremiah Jazdziewski **[Absent]**
HEI	Rachel Olm **[Absent]**
Grant County	Reed Peterson
Moore Engineering	Chad Engels
Moore Engineering	Tara Ostendorf

Call to Order: The meeting was called to order at 9:00 am.

The purpose of the meeting was to discuss:

1. Do the current plan's Scenario 2 funded actions and CIP's address each planning region's high and medium priorities, or do we need revisions? If revisions are needed, please recommend changes to the distribution of funding (by %) for the actions table. The Projects and Practices table will add up to 100%.
2. Thinking in terms of 100% of Scenario 2 funding, what should the percentage split be between Projects and Practices and CIP per planning region?

Discuss and Finalize Planning Region Funding Scenario Budgets: The committee looked at the high/medium priorities for each individual planning region, and possible actions (relating directly, indirectly, or neither).

Overview of Changes

5/14 Action #1: Implement filtration practices (e.g. filter strips, grass waterways, etc) to control erosion and sediment runoff on-field. SWCD staff requested a baseline percentage in each planning region, for funds to be made available to compensate for staff to administer CRP and other grassland programs. The Committee agreed these funds may be needed in conjunction with streambank restoration projects.

5/14 Action #2: Implement storage practices (e.g. WASCOBS and drainage water management) to reduce erosion and increase water storage capacity. Committee agreed that these funds could be paired with multipurpose drainage management projects.

5/14 Action #7: Implement protection practices (e.g. grade stabilization, streambank protection, and side water inlets) to reduce ditch/stream scouring and reduce edge-of-field and in-channel sediment loss. Committee agreed that these funds could be utilized by multipurpose drainage management projects (side water inlets) and streambank restoration projects.

CIP: Under Scenario 2, the CIP projects were narrowed to simply stream restorations, as different aspects of the CWF-eligible actions of the MDM projects can be funded by Actions #2 and #7, and several of the CIP projects will be funded internally or through non-CWF sources, leaving:

Lake Traverse & BdS River	$1,750,000
Twelve Mile Creek Headwaters	$441,000
Lower Mustinka and Twelve MC	$529,200

Project	Planning Region	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Lake Traverse Water Quality Imp. Project #1	Lake Traverse & BdS River	$325,000	$500,000	$175,000							
Doran Creek Rehabilitation	Lake Traverse & BdS River			$375,000	$375,000						
Twelvemile Creek Rehilitation	Lower Mustinka and Twelve MC							$132,300	$132,300	$132,300	$132,300
Fivemile Creek Rehilitation	Twelve Mile Creek Headwaters				$220,500	$220,500					
		$411,000	$751,500	$844,500	$933,000	$593,000	$164,000	$296,300	$296,300	$296,300	$296,300

Beyer will email the Committee for its consideration possible CIP percentages for these three planning regions.

Funding Proportion per Planning Region: Committee members considered land area, a potential scoring system based on high/medium priorities, sediment contribution, and phosphorous contribution. Committee members agreed to use an average of the land area, sediment contribution, and phosphorous contribution, to provide a weighted percentage.

	LAKE TRAVERSE	RABBIT	LOWER MUSTINKA	UPPER MUSTINKA	12-MILE CREEK	TOTAL
	$748,432	$1,115,730	$987,408	$578,010	$1,398,910	$4,828,490
Currently Using Land Area	16%	23%	20%	12%	29%	100%
	$869,128	$869,128	$869,128	$1,062,268	$1,158,838	$4,828,490
High/Medium Scoring	18%	18%	18%	22%	24%	100%
	$675,989	$869,128	$724,274	$1,110,553	$1,448,547	$4,828,490
Sediment Contribution	14%	18%	15%	23%	30%	100%
	$772,558	$1,158,838	$1,013,983	$531,134	$1,351,977	$4,828,490
Phosphorous Contribution	16%	24%	21%	11%	28%	100%
	$772,558	$965,698	$869,128	$901,318	$1,319,787	$4,828,490
Weighted Percentage	16%	20%	18%	19%	27%	100%

Our starting 04/27/20 Projects and Practices spreadsheet was in dollars, but after the 05/14/20 meeting, Beyer converted it to percentages and it appears below (to compare equally with the approach on 5/14, she pulled the CIP dollars out, and considered the remaining Project and Practices dollars to add up to 100% in each planning region, based soley on area).

04/27/20 PROJECTS AND PRACTICES and CIP by percentage

	Goal Impact																		
Action	Groundwater Quality	Sediment	Unstable Channels	Public Flooding	Private Flooding	Altered Hydrology	Stormwater Mgmt	Ditch System Instability	Ditch System Inadequcy	Soil Health	Bacteria	Nutrient Loading	LAKE TRAVERSE	RABBIT	LOWER MUSTINKA	UPPER MUSTINKA	12-MILE CREEK	TOTAL %	NOTES
1. Implement filtration practices (e.g. filter strips, grass waterways, etc) to control erosion and sediment runoff on-field. Staff time for CRP and grass programs		2										2	85.2%	63.9%	78.5%	55.4%	87.3%	75.9%	
2. Implement storage practices (e.g. WASCOBS and drainage water management) to reduce erosion and increase water storage capacity. Potentially use these actions in combonation with multipurpose drainage management actions.		1		2	2	2							3.2%	20.1%	15.3%	25.6%	11.3%	14.6%	
3. Implement protection practices (e.g. grade stabilization, streambank protection, and side water inlets) to reduce ditch/stream scouring and reduce edge-of-field and in-channel sediment loss. Potentially use these actions in combination with multipurpose drainage management actions and streambank restoration capital improvement projects.		2	2	1	1			1				2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
4. Implement soil management practices to improve soil structure, increase water retention, and reduce input needs. Example may include residue management (e.g. conservation- , no-, or strip-till management), crop rotations, cover crops, precision agriculture, Whole-Farm Management plans, and nutrient and manure management plans.		1				1				2		1	9.3%	13.0%	5.0%	13.4%	0.0%	7.1%	
5. Implement a rental program for tillage equipment and/or hire custom tillage services to improve residue management and soil structure.		1								2		1	0.2%	0.0%	0.0%	0.2%	0.0%	0.0%	Not eligible for WBIF
6. Implement shoreline BMPs to reduce shoreline erosion and improve recreational and wildlife habitat, lakeshore owners		1	2		1			1				1	0.3%	0.9%	0.0%	2.8%	0.1%	0.6%	
7. Implement mutipurpose drainage management practices (DITCH RETROFITS) to improve ditch system stability.		2		2	2	2		2	2			1	0.3%	0.4%	0.0%	0.4%	0.1%	0.2%	
8. Implement voluntary land restoration to grassland or wetland and private RIM/conservation easements to increase water storage, provide filtration of sediment and pollutants, and increase wildlife habitat.	1	1		1	1	2		1	1	1		1	0.3%	1.2%	0.0%	0.4%	0.5%	0.5%	Per SC disc, use only in Funding Level 3
9. Implement urban stormwater practices (e.g., rain gardens, rain barrels, etc.) on urban and commercial parcels.		1		1	1	1	1					1	0.3%	0.0%	0.2%	0.4%	0.1%	0.2%	
10. Seal abandoned wells.	2												0.7%	0.4%	0.4%	0.9%	0.4%	0.5%	
11. Install fencing to restrict livestock access to identified unstable riparian areas and shorelines.		1	1								2	1	0.0%	0.0%	0.6%	0.0%	0.0%	0.1%	
12. Establish field windbreaks, farm shelterbelts, and living snow fences.		1								1		1	0.2%	0.1%	0.0%	0.5%	0.1%	0.2%	Not eligible for WBIF
13. Develop infrastructure (e.g. ring dikes) to provide 100-year flood protection for rural homesteads.		1		2	2	1	1						0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Not eligible for WBIF
TOTAL													100.0%	100.0%	100.0%	100.0%	100.0%	100%	
Goal Impact Key: 1 = indirect; 2 = direct / accomplishes goal																			
Capital Improvement - Stream Restorations		2	2			2						1	0.5%	0.9%	0.4%	1.7%	0.3%		

05/14/20 PROJECTS AND PRACTICES by percentage

	Goal Impact*																		
Action	Groundwater Quality	Sediment	Unstable Channels	Public Flooding	Private Flooding	Altered Hydrology	Stormwater Mgmt	Ditch System Instability	Ditch System Inadequacy	Soil Health	Bacteria	Nutrient Loading	LAKE TRAVERSE	RABBIT	LOWER MUSTINKA	UPPER MUSTINKA	12-MILE CREEK	TOTAL %	NOTES
1. Implement filtration practices (e.g. filter strips, grass waterways, etc) to control erosion and sediment runoff on-field. Staff time for CRP and grass programs		2										2	10.0%	10.0%	10.0%	15.0%	20.0%	13.7%	
2. Implement storage practices (e.g. WASCOBS and drainage water management) to reduce erosion and increase water storage capacity. Potentially use these actions in combonation with multipurpose drainage management actions.		1		2	2	2							15.0%	20.0%	20.0%	29.0%	22.0%	21.4%	
3. Implement protection practices (e.g. grade stabilization, streambank protection, and side water inlets) to reduce ditch/stream scouring and reduce edge-of-field and in-channel sediment loss. Potentially use these actions in combination with multipurpose drainage management actions and streambank restoration capital improvement projects.		2	2	1	1			1				2	20.5%	20.0%	28.0%	20.0%	22.0%	22.1%	
4. Implement soil management practices to improve soil structure, increase water retention, and reduce input needs. Example may include residue management (e.g. conservation- , no-, or strip-till management), crop rotations, cover crops, precision agriculture, Whole-Farm Management plans, and nutrient and manure management plans.		1				1				2		1	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	
5. Implement a rental program for tillage equipment and/or hire custom tillage services to improve residue management and soil structure.		1								2		1						0.0%	Not eligible for WBIF
6. Implement shoreline BMPs to reduce shoreline erosion and improve recreational and wildlife habitat, lakeshore owners		1	2		1			1				1	10.0%	0.0%	0.0%	10.0%	10.0%	6.2%	
7. Implement mutipurpose drainage management practices (DITCH RETROFITS) to improve ditch system stability.		2		2	2	2		2	2			1	20.0%	26.5%	20.0%	0.0%	0.0%	12.1%	
8. Implement voluntary land restoration to grassland or wetland and private RIM/conservation easements to increase water storage, provide filtration of sediment and pollutants, and increase wildlife habitat.	1	1		1	1	2		1	1	1		1						0.0%	Per SC disc, use only in Funding Level 3
9. Implement urban stormwater practices (e.g., rain gardens, rain barrels, etc.) on urban and commercial parcels.		1		1	1	1	1					1		2.5%		5.0%	5.0%	2.8%	
10. Seal abandoned wells.	2												2.0%	1.0%	2.0%	1.0%	1.0%	1.3%	
11. Install fencing to restrict livestock access to identified unstable riparian areas and shorelines.		1	1								2	1	2.5%	0.0%	0.0%	0.0%	0.0%	0.4%	
12. Establish field windbreaks, farm shelterbelts, and living snow fences.		1								1		1						0.0%	Not eligible for WBIF
13. Develop infrastructure (e.g. ring dikes) to provide 100-year flood protection for rural homesteads.		1		2	2	1	1											0.0%	Not eligible for WBIF
											TOTAL		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Capital Improvement - Stream Restorations		2	2			2						1	??	0.0%	??	0.0%	??		